## ANALYTICA CHIMICA ACTA, VOL. 244 (1991)

## **AUTHOR INDEX**

Agterdenbos, J., see Narsito 129 Akahoshi, R., see Okuma, H. 161 Albasini, A., see Cevolani, M. 145 Armstrong, D.W., see Berthod, A. 21 Arpadjan, S., see Karadgova, I. 123

Baldwin, R.P., see Luo, P. 169 Ballarin, B., see Ugo, P. 29 Barbosa, J.

- and Sanz-Nebot, V.

Autoprotolysis constants and standardization of the glass electrode in acetonitrile-water mixtures. Effect of solvent composition 183

Bax, D., see Narsito 129

Bermejo, E., see Zapardiel, A. 49

Berthod, A.

-, Li, W.Y. and Armstrong, D.W.

Purification of amino acids and small peptides with hollow fibers 21

—, see Campiglia, A.D. 215 Betti, M., see Mareček, V. 15 Březina, M., see Mareček, V. 15

Callejón Mochón, M., see Léon Camacho, M. 89 Campiglia, A.D.

—, Laserna, J.J., Berthod, A. and Winefordner, J.D. Solid-surface room-temperature phosphorimetric detection of caffeine, theophylline and theobromine in liquid chromatography 215

Cevolani, M.

—, Costantino, L. and Albasini, A. Determination of drug-macromolecule binding parameters

by numerical analysis 145 Chicharro, M., see Zapardiel, A. 49 Costantino, L., see Cevolani, M. 145

Crisp, P.T., see Spencer, M.J. 197

Dams, R., see Vanhaecke, F. 115

—, see Vanhoe, H. 259

Daniele, S., see Ugo, P. 29

Deligeorgiev, T., see Karadgova, I. 123

Doretti, L., see Sturaro, A. 9

Ensafi, A.A.

- and Safavi, A.

Sensitive spectrophotometric kinetic determination of osmium by catalysis of the pyrogallol red-bromate reaction 231

Fang, Y., see Jin, L. 165 Fritsche, U.

- and Gernert, M.

Gas-sensitive electrode applied to the continuous measurement of atmospheric ammonia 179

Fukuhara, G., see Tagashira, S. 239 Fukushima, M., see Taga, M. 281 Furuichi, R., see Tamura, H. 275 Furusawa, M., see Kiba, N. 105

Gamble, D.S., see Wang, Z. 135 Gao, Z.

—, Zhou, X., Wang, G., Li, P. and Zhao, Z. Potassium ion-selective electrode based on a cobalt(II)-hexacyanoferrate film-modified electrode 39

Gernert, M., see Fritsche, U. 179

Guiraúm Perez, A., see Léon Camacho, M. 89

Hayashi, K., see Tagashira, S. 239 Hernández, L., see Zapardiel, A. 49 Herning, T.

—, Tamiya, E., Karube, I. and Kobayashi, S. Specific liquid DNA hybridization kinetics measured by fluorescence polarization 207

Inoue, Y., see Kiba, N. 105 Ishii, H.

—, Odashima, T. and Kawamonzen, Y.

Spectrophotometric studies on complexation reactions of some water-soluble 5-nitro-2-pyridylhydrazones with cobalt. Spectrophotometric and derivative spectrophotometric determination of trace cobalt with 2-benzimidazolyl-3-sulphophenylmethanone 5-nitro-2-pyridylhydrazone 223

Jänchenová, H., see Mareček, V. 15

Jin, L.

Shi, Z., Ye, J., Qian, J. and Fang, Y.
 Use of a poly(4,4'-diaminobiphenyl) chemically modified electrode as a pH sensor 165
 Jordan, C., see Stewart, B.M. 269

Karadgova, I.

—, Arpadjan, S. and Deligeorgiev, T.
 Extraction system for flame atomic absorption spectrometric analysis of high-purity bismuth compounds 123
 Karlsson, M.

 Persson, J.-Å. and Möller, J.
 Determination of trace levels of sulphate in water using flow-injection and in-line preconcentration 109 Karube, I., see Herning, T. 207

-, see Lee, S. 201

Kawahara, K., see Okuma, H. 161

Kawamonzen, Y., see Ishii, H. 223

Kiba, N.

-, Inoue, Y. and Furusawa, M.

Flow-injection determination of p-mannitol with immobilized mannitol dehydrogenase 105

Kihara, S., see Tsurubou, S. 289

Kobayashi, S., see Herning, T. 207

Kopanica, M., see Navrátilová, Z. 193

Kuratli, M., see Seiler, K. 151

Kurusu, K.

and Yamamoto, T.

Coulometric argentometric determination of microamounts of sulphur in iron and steel after reduction to hydrogen sulphide with iron(II) in strong phosphoric acid medium 59

Langford, C.H., see Wang, Z. 135 Lanza, P.

and Rossi, G.

Evaluation of departure from stoichiometry of gallium arsenide crystals 247

- and Rossi, G.

Stoichiometry of superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>v</sub>. Determination of Cu(III)/Cu(II) ratio and oxygen content 253

Laserna, J.J., see Campiglia, A.D. 215

Lee, S.

-, Suzuki, M., Tamiya, E. and Karube, I.

Microbial detection of toxic compounds utilizing recombinant DNA technology and bioluminescence 201

Léon Camacho, M.

-, Ternero Rodriguez, M., Callejón Mochón, M. and Guiraúm Perez, A.

Kinetic-spectrophotometric determination of traces of vanadium(V) by its catalytic effect on the oxidation of 1,4-dihydroxyphthalimide dioxime with bromate 89

Lewis, T.W., see Spencer, M.J. 197

Li, P., see Gao, Z. 39

Li, W.Y., see Berthod, A. 21

Luo, P.

-, Zhang, F. and Baldwin, R.P.

Comparison of metallic electrodes for constant-potential amperometric detection of carbohydrates, amino acids and related compounds in flow systems 169

Mareček, V.

-, Jänchenová, H., Březina, M. and Betti, M.

Charge transfer across a polymer gel/liquid interface: determination of ionophores 15

Martínez-Lozano, C., see Pérez-Ruiz, T. 99

Matsui, M., see Tsurubou, S. 289

Mazzocchin, G.A., see Ugo, P. 29

Möller, J., see Karlsson, M. 109

Momin, S.A.

and Narayanaswamy, R.

Optosensing of chlorine gas using a dry reagent strip and diffuse reflectance spectrophotometry 71

Musuku, A., see Selala, M.I. 1

Narayanaswamy, R., see Momin, S.A. 71

Narsito

-, Agterdenbos, J. and Bax, D.

Study of interferences by transition metal ions in hydride generation atomic absorption spectrometry of antimony 129

Navrátilová, Z.

and Kopanica, M.

Differential-pulse voltammetric determination of molybdenum in nitrate medium in the presence of 8-hydroxyquinoline 193

Oda, T., see Tamura, H. 275

Odashima, T., see Ishii, H. 223

Okuma, H.

-, Takahashi, H., Sekimukai, S., Kawahara, K. and Akahoshi, R.

Mediated amperometric biosensor for hypoxanthine based on a hydroxymethylferrocene-modified carbon paste electrode 161

Ormaza-González, F.I.

- and Statham, P.J.

Determination of dissolved inorganic phosphorus in natural waters at nanomolar concentrations using a long capillary cell detector 63

Parvoli, G., see Sturaro, A. 9

Peña, J.M.

-, Rubio, S. and Pérez-Bendito, D.

Kinetic wavelength-pair method as an alternative approach to simultaneous multi-component analysis 81

Pérez-Bendito, D., see Peña, J.M. 81

Pérez-Ruiz, T.

-, Martínez-Lozano, C. and Tomás, V.

Spectrofluorimetric determination of diquat by manual and flow-injection methods 99

Pérez López, J.A., see Zapardiel, A. 49

Persson, J.-A., see Karlsson, M. 109

Qian, J., see Jin, L. 165

Rao, C.R.M., see Reddi, G.S. 245

Reddi, G.S.

and Rao, C.R.M.

Acid decomposition method for visual colorimetric determination of molybdenum in geochemical exploration

Rossi, G., see Lanza, P. 247, 253

Rubio, S., see Peña, J.M. 81

Safavi, A., see Ensafi, A.A. 231

Sakai, T., see Tsurubou, S. 289

Sanz-Nebot, V., see Barbosa, J. 183

Sasaki, Y., see Tagashira, S. 239

Schepens, P.J.C., see Selala, M.I. 1

Seiler, K.

-, Wang, K., Kuratli, M. and Simon, W.

Development of an ethanol-selective optode membrane based on a reversible chemical recognition process 151

Sekimukai, S., see Okuma, H. 161

Selala, M.I.

-, Musuku, A. and Schepens, P.J.C.

Isolation and determination of paspalitrem-type tremorgenic mycotoxins using liquid chromatography with diodearray detection 1

Shi, Z., see Jin, L. 165

Simon, W., see Seiler, K. 151

Spencer, M.J.

-, Wallace, G.G., Crisp, P.T. and Lewis, T.W.

Determination of anionic surfactants by bis(ethylenediamine)copper(II) extraction and anodic stripping voltammetry 197

Statham, P.J., see Ormaza-González, F.I. 63

Stewart, B.M.

-, Jordan, C. and Thorburn Burns, D.

Reverse osmosis as a concentration technique for soluble organic phosphorus in fresh water 269

Sturaro, A.

-, Doretti, L. and Parvoli, G.

Use of 2,2-dimethoxypropane for the direct gas chromatographic-mass spectrometric determination of some organic compounds in water 9

Suzuki, M., see Lee, S. 201

Taga, M.

-, Tanaka, S. and Fukushima, M.

Evaluation of copper(II)-binding ability of humic acids in peat using sulphopropyl-Sephadex C-25 cation exchanger 281

Tagashira, S.

-, Sasaki, Y., Hayashi, K. and Fukuhara, G.

Simultaneous kinetic determination of secondary amines and their isomers by a spectrophotometric stopped-flow method based on the formation of dialkyldithiocarbamates 239

Takahashi, H., see Okuma, H. 161

Tamiya, E., see Herning, T. 207

-, see Lee, S. 201

Tamura, H.

-, Oda, T. and Furuichi, R.

Ion exchange of Na+ with resin carboxylic protons 275

Tanaka, S., see Taga, M. 281

Ternero Rodriguez, M., see Léon Camacho, M. 89

Thorburn Burns, D., see Stewart, B.M. 269

Tomás, V., see Pérez-Ruiz, T. 99

Tsurubou, S.

-, Sakai, T., Kihara, S. and Matsui, M.

Stereoselective adduct formation of α-acylcamphorato-copper(II) chelates with some chiral Lewis bases 289

Ugo, P.

—, Ballarin, B., Daniele, S. and Mazzocchin, G.A. Determination of trace amounts of Eu<sup>3+</sup> and Yb<sup>3+</sup> ions at Nafion-coated thin mercury film electrodes 29

Vandecasteele, C., see Vanhaecke, F. 115

-, see Vanhoe, H. 259

Vanhaecke, F.

-, Vanhoe, H., Vandecasteele, C. and Dams, R.

Precise determination of boron in titanium by inductively coupled plasma mass spectrometry 115

Vanhoe, H.

-, Vandecasteele, C., Versieck, J. and Dams, R.

Determination of lithium in biological samples by inductively coupled plasma mass spectrometry 259

-, see Vanhaecke, F. 115

Versieck, J., see Vanhoe, H. 259

Wallace, G.G., see Spencer, M.J. 197

Wang, G., see Gao, Z. 39

Wang, K., see Seiler, K. 151

Wang, Z.

-, Gamble, D.S. and Langford, C.H.

Interaction of atrazine with Laurentian humic acid 135

Winefordner, J.D., see Campiglia, A.D. 215

Yamamoto, T., see Kurusu, K. 59

Ye, J., see Jin, L. 165

Zapardiel, A.

—, Pérez López, J.A., Bermejo, E., Hernández, L. and Chicharro, M.

Voltammetric studies on the interactions between camazepam metabolic series and human serum albumin. Determination of oxazepam using adsorptive stripping voltammetry 49

Zhang, F., see Luo, P. 169

Zhao, Z., see Gao, Z. 39

Zhou, X., see Gao, Z. 39